

12/06

#10



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## RAW SEQUENCE LISTING

DATE: 04/11/2003

PATENT APPLICATION: US/09/988,165B

TIME: 16:21:51

Input Set : A:\3642\_Sequence\_Listing.txt

Output Set: N:\CRF4\04112003\I988165B.raw

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6 <110> APPLICANT: Syngene Gesellschaft zur Erforschung und Entwicklung
8   auf dem Gebiet der Biotechnologie mbH
10 <120> TITLE OF INVENTION: Peptides for the Production of Preparations
12   for the Diagnosis and Therapy of Autoimmune Diseases
14 <130> FILE REFERENCE: 3642
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/988,165B
C--> 18 <141> CURRENT FILING DATE: 2001-11-19
20 <150> PRIOR APPLICATION NUMBER: US Serial Number 07/946,180
22 <151> PRIOR FILING DATE: 1992-09-16
24 <160> NUMBER OF SEQ ID NOS: 31
28 <210> SEQ ID NO: 1
30 <211> LENGTH: 25
32 <212> TYPE: PRT
34 <213> ORGANISM: human
36 <400> SEQUENCE: 1
38 Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
39   1           5           10           15
41 Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
42           20           25
46 <210> SEQ ID NO: 2
48 <211> LENGTH: 25
50 <212> TYPE: PRT
52 <213> ORGANISM: human
54 <400> SEQUENCE: 2
56 Lys Pro Lys Ala Ala Lys Ala Arg Val Thr Lys Pro Lys Thr Ala
57   1           5           10           15
59 Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
60           20           25
64 <210> SEQ ID NO: 3
66 <211> LENGTH: 25
68 <212> TYPE: PRT
70 <213> ORGANISM: human
72 <400> SEQUENCE: 3
74 Ala Ala Lys Ala Val Lys Pro Lys Ala Ala Lys Pro Lys Val Val
75   1           5           10           15
77 Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
78           20           25
82 <210> SEQ ID NO: 4
84 <211> LENGTH: 25
86 <212> TYPE: PRT
88 <213> ORGANISM: human
90 <400> SEQUENCE: 4
92 Lys Pro Lys Ala Ala Lys Pro Lys Ser Gly Lys Pro Lys Val Thr

```

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93      1              5              10              15
95 Lys Ala Lys Lys Ala Ala Pro Lys Lys Lys
96              20              25
100 <210> SEQ ID NO: 5
102 <211> LENGTH: 25
104 <212> TYPE: PRT
106 <213> ORGANISM: human
108 <400> SEQUENCE: 5
110 Lys Pro Lys Ala Ala Lys Pro Lys Thr Ala Lys Pro Lys Ala Ala
111      1              5              10              15
113 Lys Pro Lys Ala Ala Ala Ala Lys Lys Lys
114              20              25
118 <210> SEQ ID NO: 6
120 <211> LENGTH: 25
122 <212> TYPE: PRT
124 <213> ORGANISM: human
126 <400> SEQUENCE: 6
128 Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
129      1              5              10              15
131 Lys Ala Lys Lys Ala Ala Ala Lys Lys Lys
132              20              25
136 <210> SEQ ID NO: 7
138 <211> LENGTH: 27
140 <212> TYPE: PRT
142 <213> ORGANISM: human
144 <400> SEQUENCE: 7
146 Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
147      1              5              10              15
149 Lys Pro Lys Ala Lys Lys Ala Ala Ala Lys Lys Ala
150              20              25
154 <210> SEQ ID NO: 8
156 <211> LENGTH: 35
158 <212> TYPE: PRT
160 <213> ORGANISM: human
162 <400> SEQUENCE: 8
164 Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
165      1              5              10              15
167 Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys
168              20              25              30
170 Arg Ser Glu Lys Glu
171              35
175 <210> SEQ ID NO: 9
177 <211> LENGTH: 41
179 <212> TYPE: PRT
181 <213> ORGANISM: human
183 <400> SEQUENCE: 9
185 Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro
186      1              5              10              15
188 Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe

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189                20                25                30
191 Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu
192                35                40
196 <210> SEQ ID NO: 10
198 <211> LENGTH: 27
200 <212> TYPE: PRT
202 <213> ORGANISM: bovine
204 <400> SEQUENCE: 10
206 Ala Pro Ala Ala Pro Ala Ala Ala Pro Pro Ala Glu Lys Thr Pro
207   1                5                10                15
209 Val Lys Lys Lys Ala Ala Lys Lys Pro Ala Gly Ala
210                20                25
214 <210> SEQ ID NO: 11
216 <211> LENGTH: 21
218 <212> TYPE: PRT
220 <213> ORGANISM: bovine
222 <400> SEQUENCE: 11
224 Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala
225   1                5                10                15
227 Ala Gly Tyr Asp Val Glu
228                20
232 <210> SEQ ID NO: 12
234 <211> LENGTH: 20
236 <212> TYPE: PRT
238 <213> ORGANISM: bovine
240 <400> SEQUENCE: 12
242 Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys
243   1                5                10                15
245 Ala Ala Ser Gly Glu
246                20
250 <210> SEQ ID NO: 13
252 <211> LENGTH: 41
254 <212> TYPE: PRT
256 <213> ORGANISM: bovine
258 <400> SEQUENCE: 13
260 Lys Asn Asn Ser Arg Ile Lys Leu Gly Leu Lys Ser Leu Val Ser
261   1                5                10                15
263 Lys Gly Thr Leu Val Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser
264                20                25                30
266 Phe Lys Leu Asn Lys Lys Ala Ala Ser Gly Glu
267                35                40
271 <210> SEQ ID NO: 14
273 <211> LENGTH: 51
275 <212> TYPE: PRT
277 <213> ORGANISM: bovine
279 <400> SEQUENCE: 14
281 Ala Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg
282   1                5                10                15
284 Ile Lys Leu Gly Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val

```

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```

285                20                25                30
287 Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys
288                35                40                45
290 Lys Ala Ala Ser Gly Glu
291                50
295 <210> SEQ ID NO: 15
297 <211> LENGTH: 62
299 <212> TYPE: PRT
301 <213> ORGANISM: bovine
303 <400> SEQUENCE: 15
305 Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala
306 1                5                10                15
308 Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg Ile Lys Leu Gly
309                20                25                30
311 Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val Glu Thr Lys Gly
312                35                40                45
314 Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys Ala Ala Ser
315                50                55                60
317 Gly Glu
322 <210> SEQ ID NO: 16
324 <211> LENGTH: 25
326 <212> TYPE: PRT
328 <213> ORGANISM: bovine
330 <400> SEQUENCE: 16
332 Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
333 1                5                10                15
335 Lys Pro Lys Lys Ala Lys Pro Lys Lys Lys
336                20                25
340 <210> SEQ ID NO: 17
342 <211> LENGTH: 35
344 <212> TYPE: PRT
346 <213> ORGANISM: bovine or human
348 <400> SEQUENCE: 17
350 Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
351 1                5                10                15
353 Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys
354                20                25                30
356 Arg Ser Glu Lys Glu
357                35
361 <210> SEQ ID NO: 18
363 <211> LENGTH: 41
365 <212> TYPE: PRT
367 <213> ORGANISM: bovine or human
369 <400> SEQUENCE: 18
371 Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro
372 1                5                10                15
374 Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe
375                20                25                30
377 Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu

```

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378                               35                               40
382 <210> SEQ ID NO: 19
384 <211> LENGTH: 17
386 <212> TYPE: PRT
388 <213> ORGANISM: bovine or human
390 <400> SEQUENCE: 19
392 Ala Ser Arg Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser
393   1                               5                               10                               15
395 Arg Glu
400 <210> SEQ ID NO: 20
402 <211> LENGTH: 12
404 <212> TYPE: PRT
406 <213> ORGANISM: bovine or human
408 <400> SEQUENCE: 20
410 Ile Gln Thr Ala Val Arg Leu Leu Leu Pro Gly Glu
411   1                               5                               10
415 <210> SEQ ID NO: 21
417 <211> LENGTH: 8
419 <212> TYPE: PRT
421 <213> ORGANISM: bovine or human
423 <400> SEQUENCE: 21
425 Leu Ala Lys His Ala Val Ser Glu
426   1                               5
430 <210> SEQ ID NO: 22
432 <211> LENGTH: 12
434 <212> TYPE: PRT
436 <213> ORGANISM: bovine or human
438 <400> SEQUENCE: 22
440 Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
441   1                               5                               10
445 <210> SEQ ID NO: 23
447 <211> LENGTH: 21
449 <212> TYPE: PRT
451 <213> ORGANISM: bovine or human
453 <400> SEQUENCE: 23
455 Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
456   1                               5                               10                               15
458 Lys Ala Val Thr Lys Ala
459                               20
463 <210> SEQ ID NO: 24
465 <211> LENGTH: 8
467 <212> TYPE: PRT
469 <213> ORGANISM: bovine or human
471 <400> SEQUENCE: 24
473 Ala Lys Ser Ala Pro Ala Pro Lys
474   1                               5
478 <210> SEQ ID NO: 25
480 <211> LENGTH: 22
482 <212> TYPE: PRT

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## VERIFICATION SUMMARY

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Input Set : A:\3642\_Sequence\_Listing.txt

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L:16 M:270 C: Current Application Number differs, Replaced Current Application Number

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date